

05-08 Mustang GT
SR Performance Alternator
Installation Guide

Tools Needed

- Flathead screwdriver
- Socket wrench
- 8mm deep socket
- 10mm deep socket
- 13mm deep socket
- 1/2" Breaker bar

Before



Remove battery terminal and engine cover



1. Disconnect the positive battery terminal
2. Remove engine cover (if applicable)

Loosen air intake hose



1. Loosen the air intake hose from the throttle body by unscrewing it's mounting brace.

Disconnect everything from the throttle body

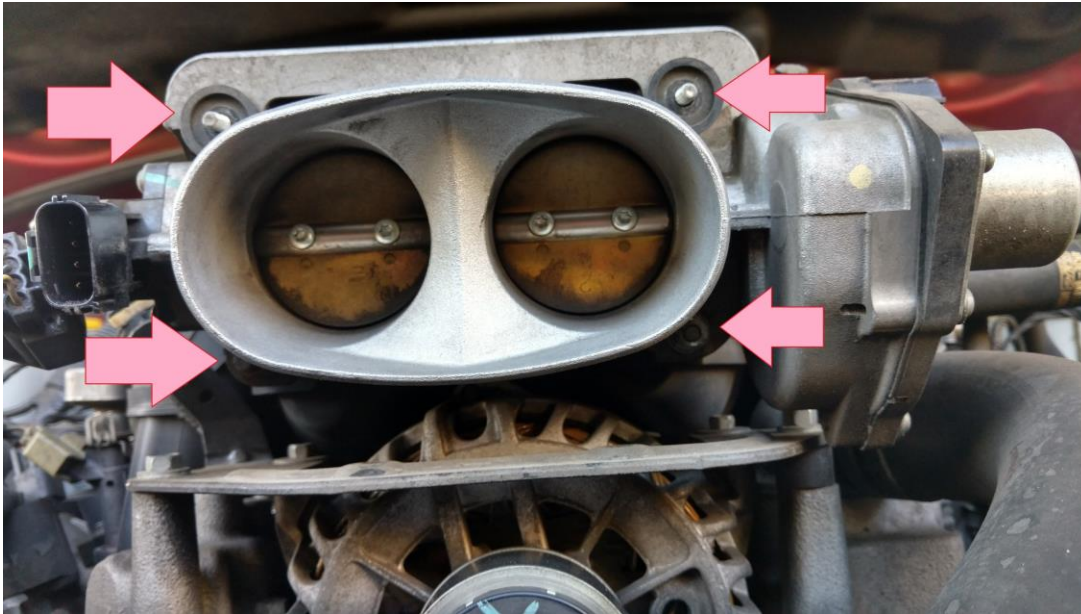


- Unhook PCB hose
- Disconnect Throttle position sensor
- Disconnect Throttle actuator
- Remove air intake hose by pulling it off



- Note: They all have clips to pull out or push in. Mind them!

Remove throttle body



- Loosen 2x 8mm bolts on top of throttle body
- Loosen 2x 10mm bolts on bottom of throttle body
- Remove throttle body and set it aside.
- Note: Now would be a great time to clean your throttle-body.

Optional: Remove the air intake hose completely



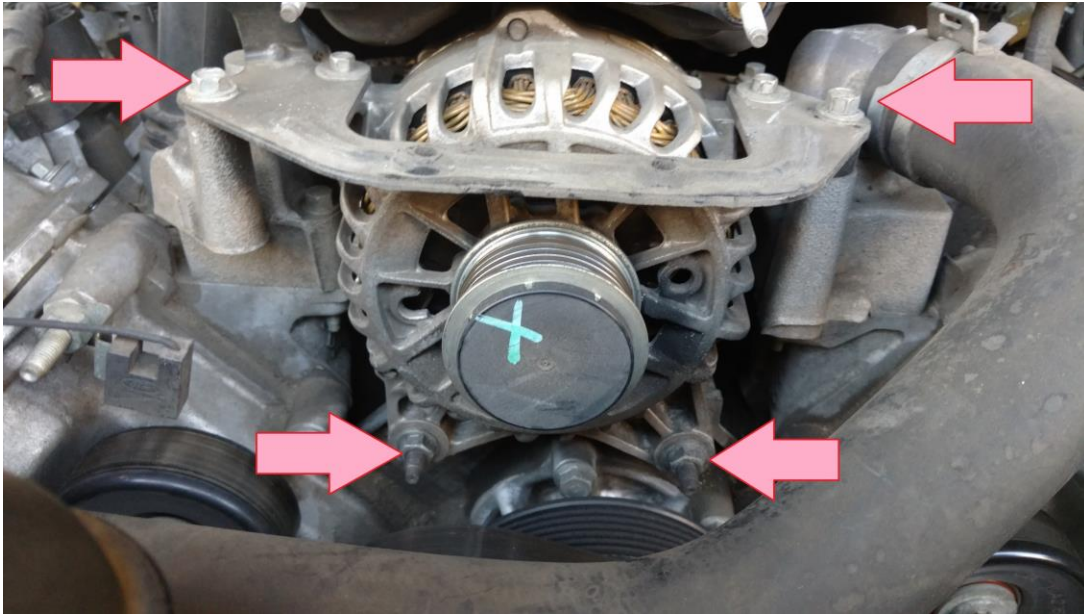
- You can loosen the other side of the air intake hose and remove it completely. Otherwise just work around it.

Remove Serpentine belt from alternator



- Note: You do not have to remove the belt completely. Just off the alternator pulley.
- Note2: Examine the belt for wear and cracks. You may need to replace it.
- Attach half inch breaker bar.
- Push down to release tension
- Remove belt from alternator

Unmount the old alternator



- Remove 2x 10mm bolts mounting the alternator on top
- Remove 2x 13mm bolts mounting the alternator in front

Remove the cables from the old alternator



- Unclip the engine cable
- Remove 10mm nut fastening battery cable

Move the mounting bracket from old alternator to new



- Remove 8mm bolts from alternator bracket
- Install bracket on new alternator

At this point we're going to do everything we did to remove the old alternator in reverse (to install the new one).

Install your new SR Performance Alternator



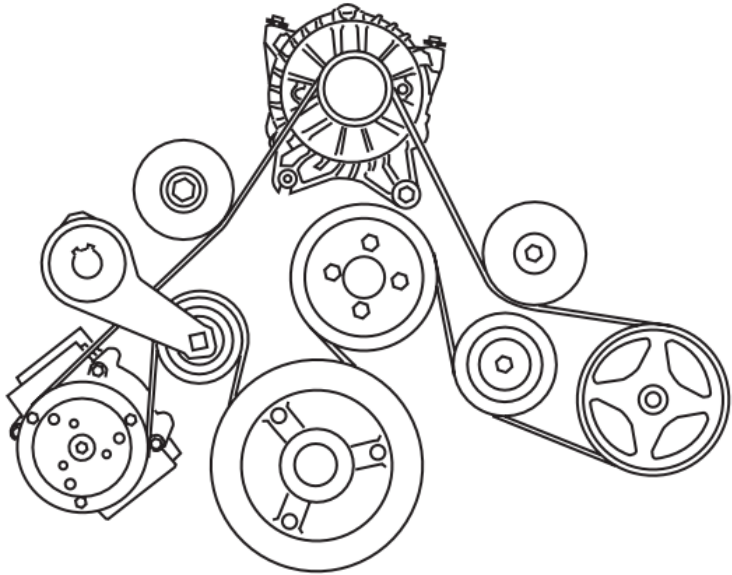
- Replace the alternator cable
- Replace the 10mm nut fastening the battery cable

Remount alternator



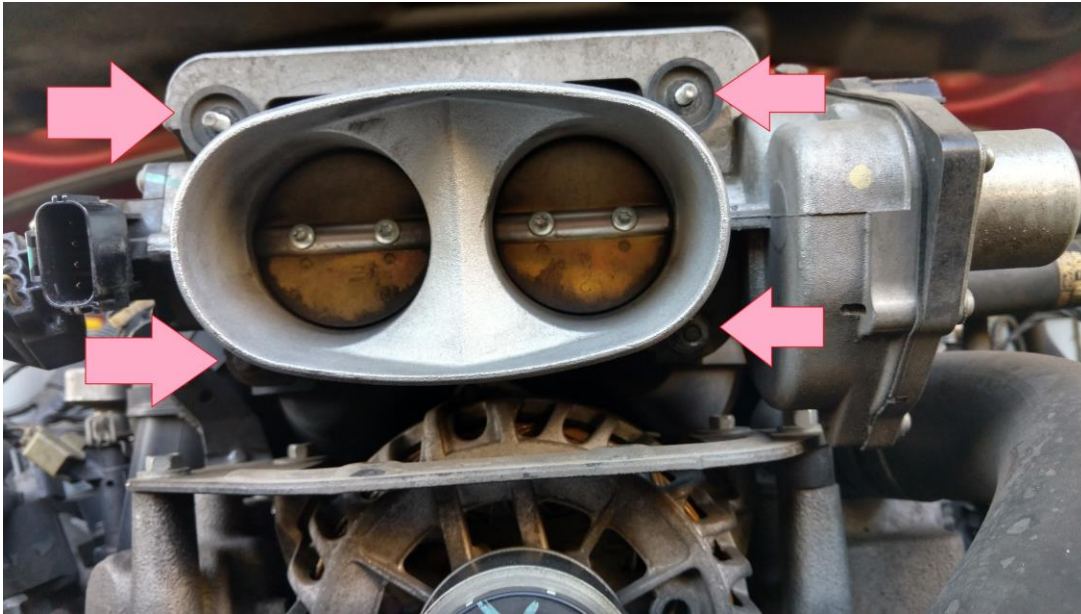
- Replace 2x 13mm bolts mounting the alternator in front
- Replace 2x 10mm bolts mounting the alternator on top

Replace serpentine belt



- Push down on breaker bar
 - Put the belt back on the alternator pulley
 - Release the breaker bar
 - Make sure belt is aligned properly
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- Note: If you accidentally removed the belt completely, the diagram is on the left.

Remount throttle body



- Replace 2x 10mm bolts on bottom of throttle body
- Replace 2x 8mm bolts on top of throttle body
- Note: Torque them in a cross pattern.

Reconnect air intake hose



- Put the air intake hose back on the throttle body (and air intake if you removed it). Tighten screws.

Put it all back together!



- Reconnect PCB hose
- Reconnect Throttle position sensor
- Reconnect Throttle actuator
- Re-install engine cover
- Re-attach positive battery terminal

Fire her up!

- At this point, you should have only one extra 10mm nut. (The SR Alternator comes with one). If you have more, you've missed something.
- Your battery might be dead from not being driven. Make sure you have a jump or a charged battery.
- If your engine is squeaking now, you've more than likely misaligned your serpentine belt.